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**PATENT** 

## CLEAN VERSION OF ABSTRACT, SPECIFICATION AND PENDING CLAIMS

## IN THE ABSTRACT

Passive Physiological monitoring apparatus and method have a sensor for sensing physiological phenomenon. A converter converts sensed data into electrical signals and a computer receives and computes the signals, and outputs computed data for real-time interactive display. The sensor is a piezoelectric film of polyvinylidene fluoride. A band-pass filter filters out noise and isolates the signals to reflect data from the body. A pre-amplifier amplifies signals. Signals detected include mechanical, thermal and acoustic signatures reflecting cardiac output, cardiac function, internal bleeding, respiratory, pulse, apnea, and temperature. A pad may incorporate the PVDF film and may be fluid-filled. The film converts mechanical energy into analog voltage signals. Analog signals are fed through the band-pass filter and the amplifier. A converter converts the analog signals to digital signals. A Fourier transform routine is used to transform into the frequency domain. A microcomputer is used for recording, analyzing and displaying data for on-line assessment and for providing realtime response. A radio-frequency filter may be connected to a cable and the film for transferring signals from the film through the cable. The sensor may be an array provided in a MEDEVAC litter or other device for measuring acoustic and hydraulic signals from the body of a patient for field monitoring, hospital monitoring, transport monitoring, home, remote monitoring.

## **IN THE SPECIFICATION:**

Page 1, line 7, please change "MEDEVAC" to --MEDEVAC™ medical evacuation--.

Minimization of the time between injury occurrence and transport to the appropriate level of medical care is necessary to ensure that wounded and sick soldiers obtain the prompt medical attention essential for their survival. During that time, aeromedical care in a MEDEVAC<sup>TM</sup> medical evacuation helicopter environment is used to identify and transport casualties.